

**15-DAY EXPRESS TERMS  
FOR  
PROPOSED BUILDING STANDARDS  
OF THE  
CALIFORNIA DEPARTMENT OF WATER RESOURCES  
  
REGARDING PROPOSED CHANGES TO  
2016 CALIFORNIA PLUMBING CODE (CPC)  
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5**

(The State agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific. (PART 1 – ADMINISTRATIVE CODE))

***Legend for Express Terms:***

- 1. Existing California amendment:** California First 15-Day language will appear in underlined and ~~strikeout~~.
- 2. Amended, or repealed language:** Amended or repealed Second 15-Day language will appear in *italics and double underline* and ~~double strikeout~~.
- 3. Rationale:** The justification for the change is shown after each section or series of related changes.
- 4. Notation:** Authority and reference citations are provided at the end of each chapter.

**EXPRESS TERMS**

**1. DWR proposes to adopt sections 1501 and 1502 of Chapter 15 of the CPC as follows:**

**CHAPTER 15  
§§1501 and 1502  
ALTERNATIVE WATER SOURCES FOR NONPOTABLE APPLICATIONS**

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**Chapter 15**

**1501.10 Signage**

*Signage for on-site treated nonpotable gray water shall comply with Sections 1501.10.1 and 1501.10.2. Signage for reclaimed (recycled) water supply system that is within or a part of a building shall comply with Section 1503.12.*

**Rationale for Change:**

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to create a new Section 1501.10 titled Signage for organizational clarity and to reference the parallel codes in Sections 1501.10.1, 1501.10.2, and 1503.12.

For the first 15-Day public comment period, which ended on May 24, 2017, DWR coordinated with CBSC

and HCD and proposed to match the language referencing other sections to the other two agencies' proposed language, which is similar and has the same meaning. Furthermore, DWR responded to HCD concerns regarding recycled water signage for indoor versus outdoor applications and had added language to clarify that Section 1503.12 is applicable to buildings. The applicability of all subordinate sections to Section 1503.0, entitled "Recycled Water Supply Systems in Buildings", is based on DWR's authority in Water Code Section 13557 to adopt design standards "to safely plumb buildings with both potable and recycled water systems."

For the second 15-Day public comment period, which ends on June 10, 2017, DWR further coordinated with CBSC and HCD and proposes to precisely match the other two agencies' proposed language. Because the applicability of all Section 1503.0 subsections is clear from the title, it is not necessary to add this clarification in Section 1501.10. The issue of outdoor signage, which is currently not addressed in either Section 1501.10 or Section 1503.12, may be addressed further in the next code cycle.

The proposed amendment provides consistency between the express terms of the coordinating agencies. There is no intended change in regulatory effect.

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**1502.3 Connections to Potable and Reclaimed (Recycled) Water Supply Systems.** Gray water systems shall have no ~~unprotected direct~~ connection to a potable water supply, on-site treated nonpotable water supply, or reclaimed (recycled) water supply systems.

**Exceptions:**

- (1) Potable water, on-site treated nonpotable ~~gray water~~, reclaimed (recycled) water, or ~~rainwater~~ is permitted to be used as makeup water for a non-pressurized ~~storage tank~~ storage tank provided the connection is protected by an air gap, ~~reduced-pressure principal backflow preventer, or other physical device which prevents backflow~~ in accordance with this code.
- (2) A potable water supply may be connected temporarily for initial testing of the untreated graywater system as provided required in Section 1501.11.2.2.

**Rationale for Change:**

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed language that provides the conditions necessary to prevent backflow of the untreated graywater into the higher quality water line.

For the first 15-Day public comment period, which ended on May 24, 2017, DWR coordinated with CBSC and HCD and proposed to not use the adjective "gray" to expand the applicability to all on-site treated nonpotable water supply, and to not add the adjective "nonpotable graywater".

For the second 15-Day public comment period, which ends on June 10, 2017, DWR further coordinated with CBSC and HCD and proposes to precisely match the other two agencies' proposed language. Specifically, DWR will revert to the term "reclaimed (recycled) water systems" in two locations. DWR also proposes to omit the adjective "gray" in the Exception (1), which was inadvertently left in, and thereby expand the applicability to all on-site treated nonpotable water supply.

The proposed amendment provides consistency between the express terms of the coordinating agencies and provides clarity to the code user. There is no intended change in regulatory effect.

Authority: Water Code Section: 13557.

Reference(s): Water Code Sections: 13557.

**2. DWR proposes to adopt section 1503 of Chapter 15 of the CPC as follows:**

**CHAPTER 15**  
**§1503**  
**ALTERNATIVE WATER SOURCES FOR NONPOTABLE APPLICATIONS**

**1503.13.2 Cross-Connection Inspection and Testing.** *An initial visual inspection and cross-connection test shall be performed on both the potable and recycled water supply systems before the initial operation of the reclaimed (recycled) water source system. During an initial or subsequent cross-connection test, the potable and reclaimed (recycled) water source system shall be isolated from each other and independently inspected and tested to ensure there is no cross-connection in accordance with Section 1503.13.2.2. Initial or subsequent inspections or tests shall be performed in accordance with Section 1503.13.2.1 through Section 1503.13.2.4. ~~The inspection and testing shall be performed by a cross-connection control specialist certified by the California-Nevada section of the American Water Works Association or an organization with equivalent certification requirements.~~*

- (1) Written reports of cross-connection inspections and testing shall be performed as provided in California Code of Regulations, Title 22, Section 60316.
- (2) A cross-connection test pursuant to Section 1503.13.2.2 shall be performed on the premises of a recycled water supply system when there is material reason to believe that the potable water system or recycled water supply system separation from another water supply has been compromised. A material reason to believe that the system has been compromised may be based on, but is not limited to, evidence gathered (a) during a visual inspection performed pursuant to Section 1503.13.2.1, (b) as a result of an inspection performed following complaints of water quality or flow conditions consistent with a compromised system, or (c) during a visual inspection that indicates that the reclaimed (recycled) water supply system has been modified.

**Rationale for Change:**

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to bring forward Section 1620A.0(B)(2) in Chapter 16A to Section 1503.13.2 of Chapter 15. This section is consistent with Title 22 requirements related to testing and inspection. Chapter 16A contains criteria for determining whether there is a material reason to believe that a system has been compromised. The requirement to use certification by the California-Nevada section of the American Water Works Association, or an organization with equivalent certification requirements, is taken from Title 22 section 60316(a).

For the first 15-Day public comment period, which ended on May 24, 2017, DWR coordinated with CBSC and HCD, and proposed to add the clarifying adjectives of “visual” and “cross-connection” to the first sentence. Comment was received that certification organizations in addition to the California-Nevada section of the American Water Works Association should be listed. After consultation with the State Water Resources Control Board (State Water Board), DWR proposed not to add additional organizations. The State Water Board will be revising cross-connection control regulations during fiscal year 2017-2018. DWR planned to coordinate any changes in certification organizations with the State Water Board in a future CPC adoption cycle. The latitude for other organizations to be approved by local authorities would have remained in place. DWR proposed to move item (4) in section 1503.13.2.1 to a more appropriate location at the end of item (2) in section 1503.13.2.

For the second 15-Day public comment period, which ends on June 10, 2017, DWR proposes to withdraw language based on feedback and coordination with stakeholders and the State Water Board. DWR proposes to delete the sentence that describes certification requirements and specific certifying

organizations found in Title 22.

The proposed amendment does not change regulatory requirements and is not intended to conflict with any future changes to Title 22.

There is no intended change in regulatory effect.

Authority: Water Code Section: 13557.

Reference(s): Water Code Sections: 13551, 13552.4, 13552.6, 13552.8, 13553, 13554, 13555.3. Health and Safety Code Sections: 8117, 8118.

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